

# STANDARDS PRESENTATION TO CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

Attachment No. 1

Page 1 of 3

## PROPOSED STATE STANDARD, TITLE 8, CHAPTER 4

Amend Section 5155 to read:

§5155. Airborne Contaminants.

(a) Scope and Application.

(1) This section establishes requirements for controlling employee exposure to airborne contaminants and skin contact with those substances which are readily absorbed through the skin and are designated by the "S" notation in Table AC-1 at all places of employment in the state.

\* \* \* \* \*

Table AC-1

### PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS

Chemical Abstracts Registry Number <sup>(a)</sup>	Skin <sup>(b)</sup>	Name <sup>(c)</sup>	PEL <sup>(d)</sup>			STEL <sup>(o)</sup>	
			ppm <sup>(e)</sup>	mg/M <sup>3(f)</sup>	Ceiling <sup>(g)</sup>	ppm <sup>(e)</sup>	mg/M <sup>3(f)</sup>
			* * * * *				
67641		Acetone	<del>750</del> <u>500</u>	<del>4780</del> <u>1200</u>	3000 ppm	<del>4000</del> <u>750</u>	<del>2400</del> <u>1780</u>
			* * * * *				
<u>7440417</u>		Beryllium <sub>1</sub> and beryllium compounds as Be	-	<del>0.002</del> <u>0.0002</u>	0.025mg/M <sup>3</sup>	-	<del>0.005</del> <sup>(p)</sup>
			* * * * *				
<u>3033623</u>	<u>S</u>	<u>Bis (Dimethylaminoethyl) ether (DMAEE)</u>	<u>0.05</u>	<u>0.328</u>		<u>0.15</u>	<u>0.983</u>
			* * * * *				
111762	S	2-Butoxyethanol ( <u>EGBE</u> )	<del>25</del> <u>20</u>	<del>420</del> <u>97</u>			
			* * * * *				
<del>65996932</del>		Coal tar pitch volatiles <sup>(i)</sup>		0.2			
			* * * * *				
123739 <u>4170303</u>	<u>S</u>	Crotonaldehyde; beta-methylacrolein	<u>2</u>	<u>6</u>	<u>0.3</u>		
			* * * * *				
106898	S	Epichlorohydrin; 1-chloro-2, 3-epoxypropane	<del>2</del> <u>0.05</u>	<del>7.6</del> <u>0.19</u>			
			* * * * *				
111308		Glutaraldehyde <sup>(ti)</sup>	<del>0.2</del> <u>0.05</u>	<del>0.82</del> <u>0.2</u>	C <sup>(u)</sup>		

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Attachment No. 1

Page 2 of 3

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* * * * *						
118741	S	Hexachlorobenzene	-	0.025	0.002	
* * * * *						
110543	<u>S</u>	n-Hexane <u>Hexane</u> , other isomers	50 500	180 1,800	1000	3600
* * * * *						
<u>592416</u>		<u>1-Hexene</u>	<u>50</u>	<u>180</u>		
* * * * *						
74839	S	Methyl bromide	<del>5</del> <u>1</u>	<del>20</del> <u>3.88</u>	20 ppm	
* * * * *						
137053		Methyl 2-cyanoacrylate	<del>2</del> <u>0.2</u>	<del>8</del> <u>0.908</u>	4	<del>46</del>
* * * * *						
80626		Methyl methacrylate; methyl 2-methyl-2-propenoate	<del>400</del> <u>50</u>	<del>440</del> <u>205</u>	<u>100</u>	<u>410</u>
* * * * *						
		Molybdenum, soluble compounds, as Mo	-	<del>5</del> <u>0.5<sup>(n)</sup></u>		
* * * * *						
75569		Propylene oxide; 1,2-epoxy- propane	<del>20</del> <u>2</u>	<del>50</del> <u>4.75</u>		
* * * * *						
<u>2451629</u>		<u>1,3,5-Triglycidyl-s-triazinetriene</u>		<u>0.005</u>		
* * * * *						
<u>75387</u>		<u>Vinylidene fluoride</u>	<u>100</u>	<u>262</u>		
* * * * *						

(i) Coal tar pitch volatiles (benzene or cyclohexane-soluble fraction) include ~~polynuclear aromatic hydrocarbons~~ fused polycyclic hydrocarbons (some of which are known carcinogens) ~~that evolve upon heating the distillation residues from coal tar, which volatilize from the distillation residues of coal, petroleum (excluding asphalt), wood, and other organic matter.~~ Asphalt (CAS 8052-42-4, and CAS 64742-93-4) is not covered under the "coal tar pitch volatiles" standard.

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Page 3 of 3

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

(p) ~~The STEL for Beryllium and beryllium compounds is a 30-minute time-weighted average. (Reserved)~~

\* \* \* \* \*

(t) Glutaraldehyde can cause occupational asthma and skin sensitization responses such as contact dermatitis. Exposure related symptoms may include one or more of the following: shortness of breath, chest tightness, wheeze, cough, skin rash, hives, and irritation of the nose, throat, skin or eye. Hazard communication training required by sections 5191 or 5194 shall address these health hazards and symptoms along with the measures taken by the employer to evaluate and control exposures that can include medical evaluations, exposure monitoring, ventilation systems, work practices, and personal protective equipment. The communication system required by section 3203 shall inform employees where to report possible health symptoms and where to ask questions, report concerns, and receive information about the employer's evaluation and control measures.

(u) The Ceiling Limit of 0.05 ppm will take effect [2 years from the effective date]. Until that time the following exposure limits will be in effect: PEL 0.05 ppm (8-hour time-weighted average) Ceiling Limit 0.2 ppm.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Sections 142.3 and 144.6, Labor Code.